

Syllabus for ASTR 1211

FALL 2024

INTRODUCTION TO ASTROPHYSICS I

Tuesday/Thursday 12-1:30pm

Room: DRL

Prof. : Mariangela Bernardi

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Phone: (215) 573-6251

Office hours: by appointment (just email me)

Text used:

An Introduction to Modern Astrophysics by Carroll & Ostlie

Topics:

- 1) Gravity and orbits of celestial bodies
- 2) Interaction of radiation and matter
- 3) Basic observational astronomy
- 4) Properties of stars
- 5) Stellar evolution
- 6) Remnants of Stars

Midterms: in class (each accounts for 20% of final grade)

- 1) Tuesday October 1
- 2) Thursday November 14

Final: in class (accounts for 30% of final grade)
Thursday December 5

Homeworks: (account for 30% of final grade)
Homeworks will be posted on CANVAS:
<https://canvas.upenn.edu/>
There will be 5/6 homeworks (check the due date!)